



SERO
distribution

EN 643:2014

European list of standard grades of
paper and board for recycling

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Classification of the 5 groups of standard grades for paper and board for recycling are detailed in the following tables.

Group 1, ordinary grades

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
1.01.00	ordinary mixed paper and board	A mixture of various grades of paper and board.	1,5	3
1.02.00	mixed paper and board	A mixture of various qualities of paper and board, containing a maximum of 40 % newspapers and magazines.	1,5	2,5
1.03.00	boxboard cuttings	Printed and unprinted white lined and unlined grey board or mixed board, free from corrugated material.	1	2
1.04.00	corrugated paper and board packaging	Used paper and board packaging, containing a minimum of 70 % of corrugated board, the rest being other packaging papers and boards.	1,5	3
1.04.01	ordinary corrugated paper and board	Used paper and board packaging, containing a minimum of 70 % of corrugated board, the rest being other paper and board products.	1,5	3
1.04.02	corrugated paper and board	Used paper and board packaging, containing a minimum of 80 % of corrugated board, the rest being other paper and board products.	1,5	3
1.05.00	ordinary corrugated board	Used boxes and sheets of corrugated board of various qualities, may include 10 % of other packaging papers and boards.	1,5	2,5
1.05.01	corrugated board	Used boxes and sheets of corrugated board of various qualities, may include 5 % of other packaging papers and boards.	1,5	2,5
1.06.00	magazines	Magazines, with or without glue.	0,5	1
1.06.01	magazines without glue	Magazines without glue.	0,5	1

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
1.06.02	magazines with product samples	Magazines, with or without glue, may contain non-paper components as attached product samples (percentage to be agreed between seller and buyer in addition to the percentages in the columns to the right).	1	2
1.07.00	telephone books	New and used telephone books, with unlimited content of pages coloured in the mass, with and without glue. Shavings allowed.	0,5	1
1.09.00	newspapers and magazines	Mixture of newspapers and magazines (predominantly unsold); each of them with a minimum of 30 %.	0,5	1
1.11.00	sorted graphic paper for deinking	Sorted graphic paper, consisting of a minimum of 80 % newspapers and magazines. It shall contain at least 30 % newspapers and 40 % magazines. Print products which are not suitable for deinking are limited to 1,5 %.	0,5	2,5

Group 2, medium grades

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
2.01.00	newspapers	Newspapers, containing a maximum of 5 % of newspapers or advertisements coloured in the mass.	0,5	1,5
2.02.00	unsold newspapers not intended for deinking	Unsold newspapers, which may contain inserts originally circulated with the publication. No additional inserts allowed. Paper products not suitable for deinking are allowed.	0,5	1
2.02.01	unsold newspapers	Unsold newspapers, which may contain inserts originally circulated with the publication. No additional inserts allowed.	0,5	1
2.03.00	lightly printed white shavings	Lightly printed white shavings, coated or uncoated, mainly mechanical pulp-based paper with no restriction for glue.	0,5	1
2.03.01	lightly printed white shavings without glue	Lightly printed white shavings, coated or uncoated, mainly mechanical pulp-based paper without glue.	0,5	1
2.04.00	heavily printed white shavings	Heavily printed white shavings, coated or uncoated, mainly mechanical pulp-based paper with no restriction for glue.	0,5	1
2.04.01	heavily printed white shavings without glue	Heavily printed white shavings, coated or uncoated, mainly mechanical pulp-based paper without glue.	0,5	1

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
2.05.00	ordinary sorted office paper	Paper, as typically generated by offices, shredded or unshredded, printed, may contain coloured papers, with a minimum 60 % wood- free paper, free of carbon and principally free from carbonless copy paper (ccp)/no carbon required (NCR), less than 10 % unbleached fibres including manila envelopes and file covers, less than 5 % newspapers and packaging.	1	2
2.05.01	sorted office paper	Paper, as typically generated by offices, shredded or unshredded, printed, may contain coloured papers, with a minimum 80 % wood free paper, free of carbon and principally free from carbonless copy paper (ccp)/no carbon required (NCR), less than 5 % unbleached fibres including manila envelopes and file covers.	1	2
2.06.00	ordinary sorted coloured letters	Paper, as typically generated by offices, shredded or unshredded, lightly printed, mass coloured paper allowed, but no deep coloured papers, with a minimum of 70 % wood free paper, free of carbon and principally free of carbonless copy paper (ccp)/no carbon required (NCR), free of manila envelopes, file covers, newspapers and cardboard.	1	2
2.06.01	sorted coloured letters	Paper, as typically generated by offices, shredded or unshredded, lightly printed, mass coloured paper allowed, but no deep coloured papers, with a minimum of 90 % wood free paper, free of carbon and principally free of carbonless copy paper (ccp)/no carbon required (NCR), free of manila envelopes, file covers, newspapers and cardboard.	1	2
2.07.00	white wood free bookquire	Books or their shavings, without hard covers, mainly of white wood free paper, mainly black printed, containing a maximum of 10 % coated paper.	0,5	1
2.07.01	white mechanical pulp-based bookquire	Books or their shavings mainly of white mechanical pulp-based paper, without hard covers, mainly black printed, containing a maximum of 10 % of coated paper.	0,5	1
2.08.00	coloured wood free magazines	Coated or uncoated magazines, white or coloured in the mass, free from hard covers, bindings and poster papers. May include heavily printed circulars and coloured in the mass shavings. Contain a maximum of 10 % mechanical pulp-based papers.	0,5	1
2.10.00	bleached wood free board with plastic layer	Unprinted bleached wood free board with plastic layer from board manufacturers and converters.	0,25	1

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
2.11.00	board with plastic layer	Printed or unprinted board with plastic layer. May contain unbleached board and paper from board manufacturers and converters.	0,25	1
2.12.00	mechanical pulp- based computer print-out	Mechanical pulp-based continuous computer printout may include recycled fibres.	0,5	1
2.13.00	multigrade	A blend of coloured and white letters, coloured wood free magazines and other wood free papers and shavings. Free from newsprint but 10 % of other wood containing papers are permitted. May contain 2 % paper with plastic layer.	0,5	1
2.14.00	coloured log end tissue	Unused coloured tissue including soft cores. May contain printed material.	0,25	1
2.14.01	white log end tissue	Unused white tissue including soft cores. May contain printed material.	0,25	1

Group 3, high grades

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
3.01.00	mixed lightly coloured printer shavings"	Mixed shavings of printing and writing papers, lightly coloured in the mass, containing a minimum of 50 % of wood free paper.	0,5	1
3.02.00	mixed lightly coloured wood free printer shavings	Mixed shavings of printing and writing papers, lightly coloured in the mass, containing a minimum of 90 % of wood free paper.	0,5	1
3.03.00	wood free binders	White wood free lightly printed shavings with glue, free from paper coloured in the mass. May contain 2 % paper with plastic layer and a maximum of 10 % of mechanical pulp-based paper.	0,5	1
3.03.01	special wood free binders	White wood free lightly printed shavings with glue, free from paper coloured in the mass. Plastic layered and mechanical pulp-based papers not permitted.	0,5	1
3.04.00	tear white shavings	White wood free lightly printed shavings without glue, free from wet-strength paper and paper coloured in the mass.	0,5	1
3.05.00	white wood free letters	Sorted uncoated white wood free printing and writing papers, printed, free from cash books, carbon paper and non-water soluble adhesives. May contain 5 % mechanical pulp-based paper.	0,5	1
3.05.01	white wood free letters unprinted	Sorted uncoated white wood free printing and writing papers, unprinted, free from carbon paper, carbonless paper (NCR) and non-water soluble adhesives.	0,5	1

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
3.06.00	white business forms	White wood free business forms free from carbonless paper (NCR) and glue.	0,5	1
3.08.00	printed bleached sulphate board	Heavily printed sheets of bleached sulphate board, without glue, polycoated or waxed materials.	0,5	1
3.09.00	lightly printed bleached sulphate board	Lightly printed sheets of bleached sulphate board, without glue, plastic layers waxed materials.	0,5	1
3.10.00	multi printing	Lightly printed wood-free coated papers in sheets or trim, free from wet-strength paper and from paper coloured in the mass.	0,5	1
3.10.01	medium printed multi printing	Medium and heavily printed wood free coated papers in sheets or trim, free from wet-strength paper and from paper coloured in the mass.	0,5	1
3.11.00	white heavily printed multiply board	New cuttings of heavily printed white multiply board, containing wood free or wood containing plies, but without grey and brown plies.	0,25	0,5
3.11.01	mixed white heavily printed multiply board	New cuttings of heavily printed white multiply board, containing wood free or wood containing plies, with a maximum of 20 % grey and brown plies.	0,25	0,5
3.12.00	white lightly printed multiply board	New cuttings of lightly printed white multiply board, containing wood free or mechanical pulp-based plies, but without grey and brown plies.	0,25	0,5
3.13.00	white unprinted multiply board	New cuttings of unprinted white multiply board, containing wood free or mechanical pulp-based plies, but without grey and brown plies.	0,25	0,5
3.14.00	white newsprint	Shavings and sheets of white unprinted newsprint, free from magazine paper and glue.	0,25	0,5
3.15.00	white mechanical pulp-based paper	Shavings and sheets of white unprinted coated and uncoated mechanical pulp-based paper without glue.	0,25	0,5
3.15.01	white coated mechanical pulp-based paper	Shavings and sheets of white unprinted mechanical pulp-based coated paper without glue.	0,25	0,5
3.16.00	white coated wood free paper	Shavings and sheets of white unprinted wood-free coated paper without glue.	0,25	0,5
3.16.01	white wood free papers	Shavings and sheets of white unprinted wood free coated and uncoated papers without glue.	0,25	0,5
3.17.00	white shavings	Shavings and sheets of white unprinted paper, free from newsprint containing a minimum of 60 % of wood free paper. No glue permitted.	0,25	0,5
3.18.00	white wood free shavings	Shavings and sheets of white unprinted wood free paper, may contain a maximum of 5 % of coated paper. Without glue.	0,25	0,5

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
3.18.01	white wood free uncoated shavings	Shavings and sheets of white unprinted wood free paper, free from coated paper. Without glue.	0,25	0,5
3.18.02	white envelope cuttings	Shavings and sheets of white unprinted wood free paper, free from coated paper. May contain some glue.	0,25	0,5
3.19.00	unprinted bleached sulphate board	Unprinted sheets of bleached sulphate board, without glue, polycoated or waxed materials.	0,25	0,5
3.20.00	unprinted tissue coloured in the mass	Unused unprinted tissue coloured in the mass free of packaging materials.	0,25	1
3.20.01	white unprinted tissue	Unused white unprinted tissue free from packaging materials.	0,25	1

Group 4, kraft grades

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
4.01.00	unused board and shavings of corrugated material	Unused boxes, sheets and shavings of corrugated board, with liners of kraft and/or testliner.	0,25	0,5
4.01.01	unused corrugated kraft	Unused boxes, sheets and shavings of corrugated board, with kraft liners only, the fluting made from chemical or chemo thermo mechanical pulp (CTMP).	0,25	0,5
4.02.00	used corrugated kraft 1	Used boxes of corrugated board, with kraft liners only, the fluting made from chemo thermo mechanical pulp (CTMP).	1	2,5
4.03.00	used corrugated kraft 2	Used boxes of corrugated board, with liners of kraft or testliners but having at least one liner made of kraft.	1	2,5
4.04.00	used kraft sacks	Clean used kraft sacks. May be printed or unprinted or may be wet strength and/or non wet-strength.	1	2
4.05.00	unused kraft sacks	Unused kraft sacks. May be printed or unprinted and may be wet strength and/or non wet-strength.	0,5	1
4.06.00	used kraft	Used kraft paper and board of a natural or white shade. May be printed or unprinted.	0,5	1
4.07.00	new kraft	Shavings and other new kraft paper and board of a natural shade.	0,5	1
4.08.00	new carrier kraft	New carrier kraft. May be wet strength and/or non wet-strength and may be printed or unprinted.	0,5	1

Group 5, special grades

The grades of paper and board for recycling in this group can only be recycled by using specific processes, or can cause some particular constraints to recycling in most cases. Their inclusion in the list is justified by the existence of a significant European market.

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
5.01.00	mixed papers	A mixture of various paper grades that can be found in the groups 1 to 5.	3	3
5.02.00	mixed packaging	A mixture of various qualities of used paper and board packaging free from graphic papers.	1,5	3
5.03.00	used liquid packaging board	Used liquid packaging board with plastic layer (with or without aluminium content), containing a minimum of 50 % by weight of fibres.	3	3
5.03.01	unused liquid packaging board	Printed or unprinted shavings or sheets of liquid packaging board (with or without aluminium and/or plastic layer), containing a minimum of 50 % by weight of fibres.	0,5	1
5.04.00	wrapper kraft	Used kraft paper with a plastic layer. Shall not contain wax coatings.	1	2
5.05.00	wet labels	Used wet labels from wet-strength papers, containing a maximum of 1 % glass content, and a maximum of 50 % moisture, without other unusable materials.	1,5	2,5
5.05.01	dry labels	Labels made from wet-strength papers.	0,5	1
5.05.02	labels with base layer	Label paper, release paper and label stock as well as from converting and dispensing of labels.	0,5	1
5.05.03	paper release liner for self-adhesive labels	Release liner materials from the converting and dispensing of self-adhesive labels. Materials shall be free from labels, cores, and other contaminants.	0,5	1
5.06.00	unprinted white wet-strength wood free papers	Unprinted white wet-strength wood free papers.	0,5	1
5.06.01	unprinted white and coloured wetstrength papers	Unprinted white and coloured in the mass wetstrength papers.	0,5	1
5.07.00	printed white wetstrength wood free papers	Printed white wet-strength wood free papers	0,5	1
5.07.01	printed white and coloured wetstrength wood free papers	Printed white and coloured in the mass wetstrength wood free papers	0,5	1
5.08.00	cores	Shredded, hogged or unshredded solid cores from paper reels without metal ends.	1	2
5.09.00	carbonless copy paper (NCR)	Sheets or shavings of new carbonless copy paper (NCR).	0,25	1
5.10.00	printed white envelope	White envelopes, printed on the inside with or without water soluble or latex glue and windows (plastic or glassine).	0,5	1

Code	Name	Description	Non-paper components in % max.	Total unwanted material in % max.
5.10.01	mixed envelopes	Mixed white or coloured in mass envelopes with or without water soluble or latex glue and windows (plastic or glassine).	0,5	1
5.11.00	blister pack	Packaging board with flat or moulded plastic part. May be board with plastic layers and inserts.	1	2
5.12.00	used kraft sacks	Clean used kraft sacks. May be printed or unprinted or may be wet strength or non wetstrength. May include plastic layer papers.	1	2
5.12.01	used kraft sacks with plastic layer papers	Clean used kraft sacks with plastic layer. May be printed or unprinted and may contain wetstrength or non wet-strength plies.	0,5	1
5.13.00	unused kraft sacks	Unused kraft sacks. May be printed or unprinted and may be wet-strength or non wet-strength, and may also include papers with a plastic layer.	0,5	1
5.13.01	unused kraft sacks with plastic layer papers and poly liners	Unused kraft sacks with plastic layer and poly liners. May be printed or unprinted and may contain wet-strength or non- wet-strength plies.	0,5	1
5.14.00	used paper cups and other used tableware	Used paper cups and other tableware, including used plastic layered paper cups and tableware, containing a minimum of 75 % by weight of fibres.	1,5	2,5
5.14.01	Unused paper cups and other tableware	Printed or unprinted shavings or sheets from the production of paper cups and other tableware, including plastic layered paper cups and tableware, containing a minimum of 75 % by weight of fibres.	0,5	1



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